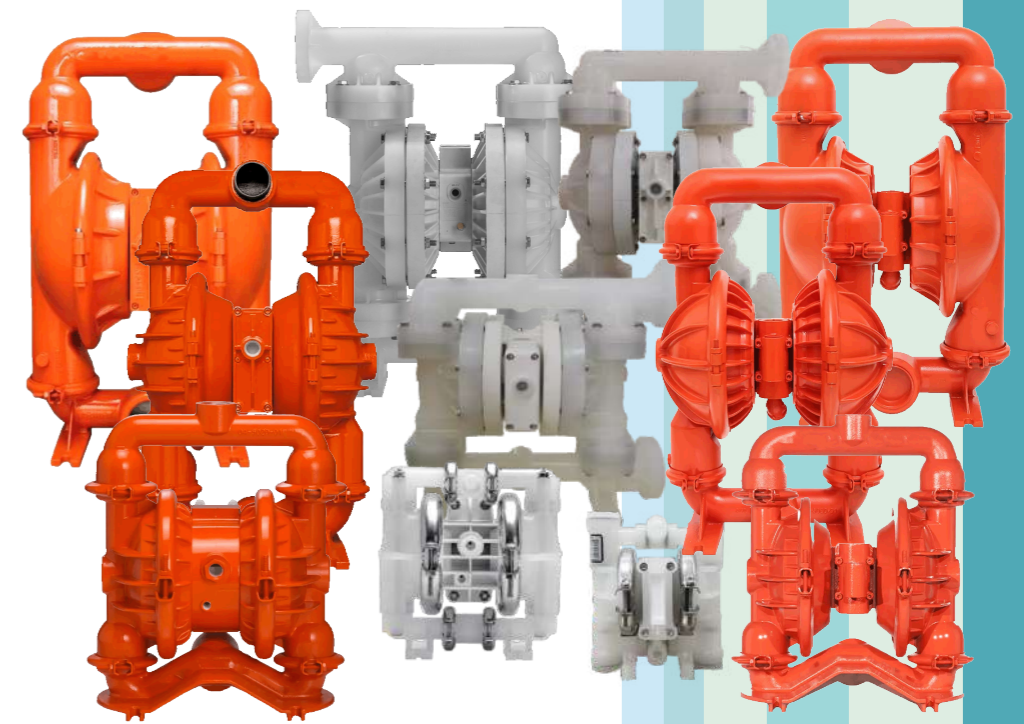
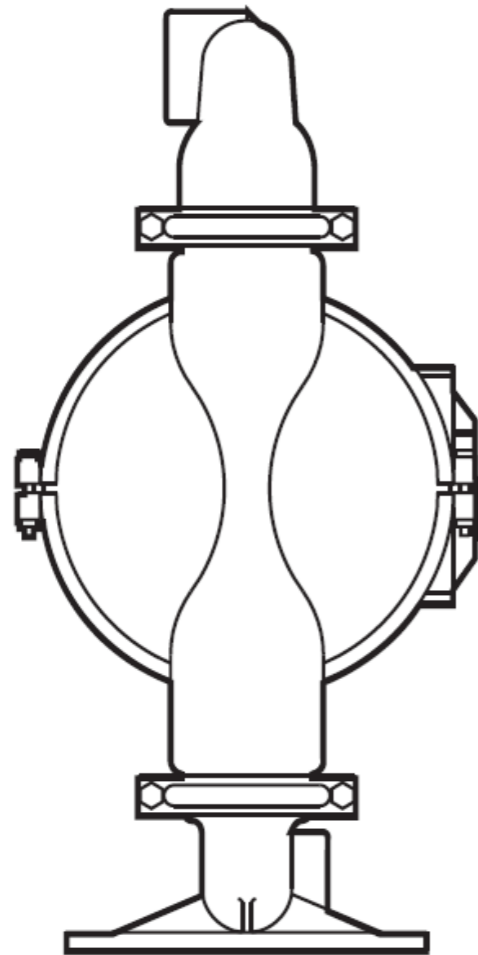


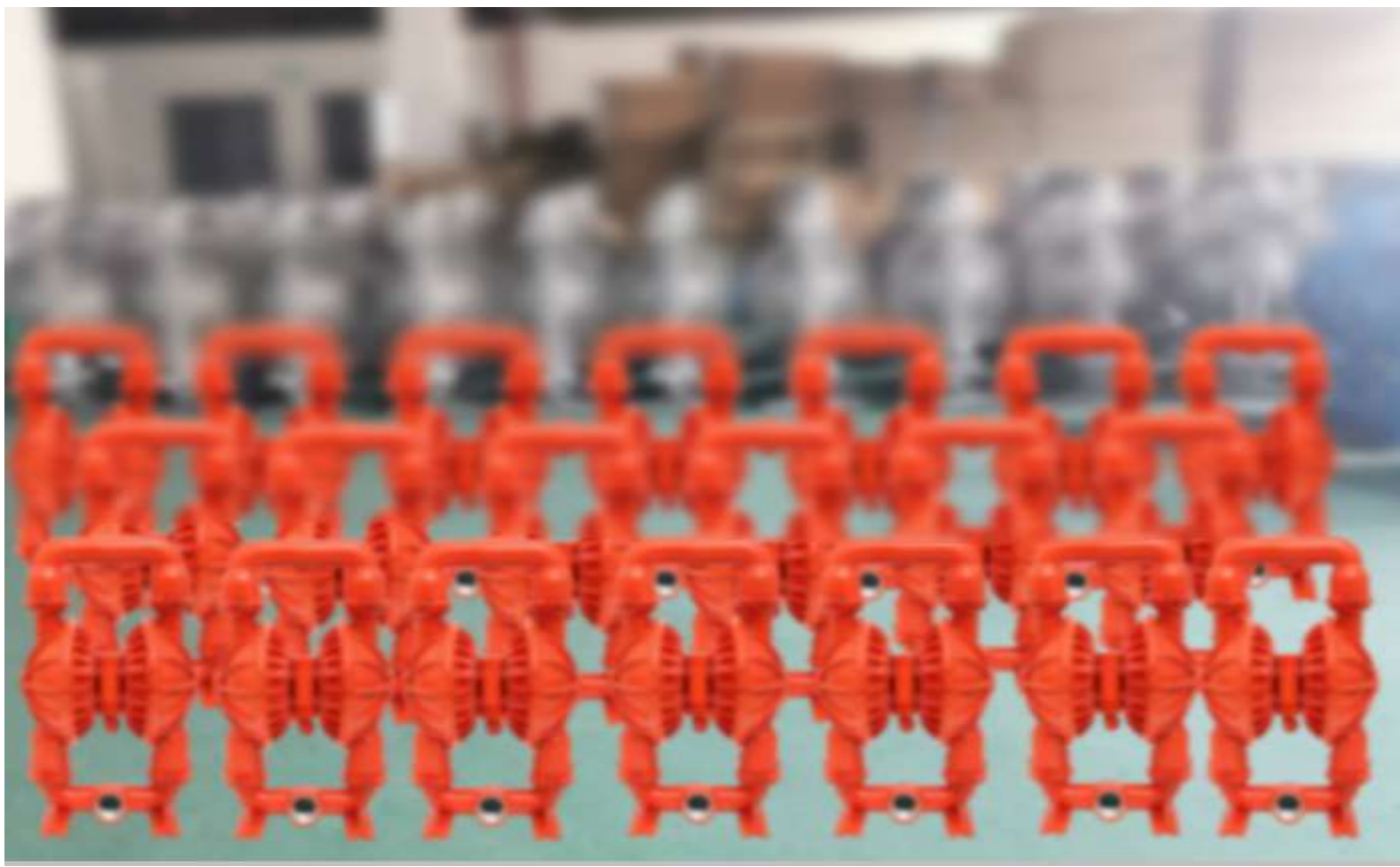
ketavsc®

T GT&GP SERIES AODD PUMP



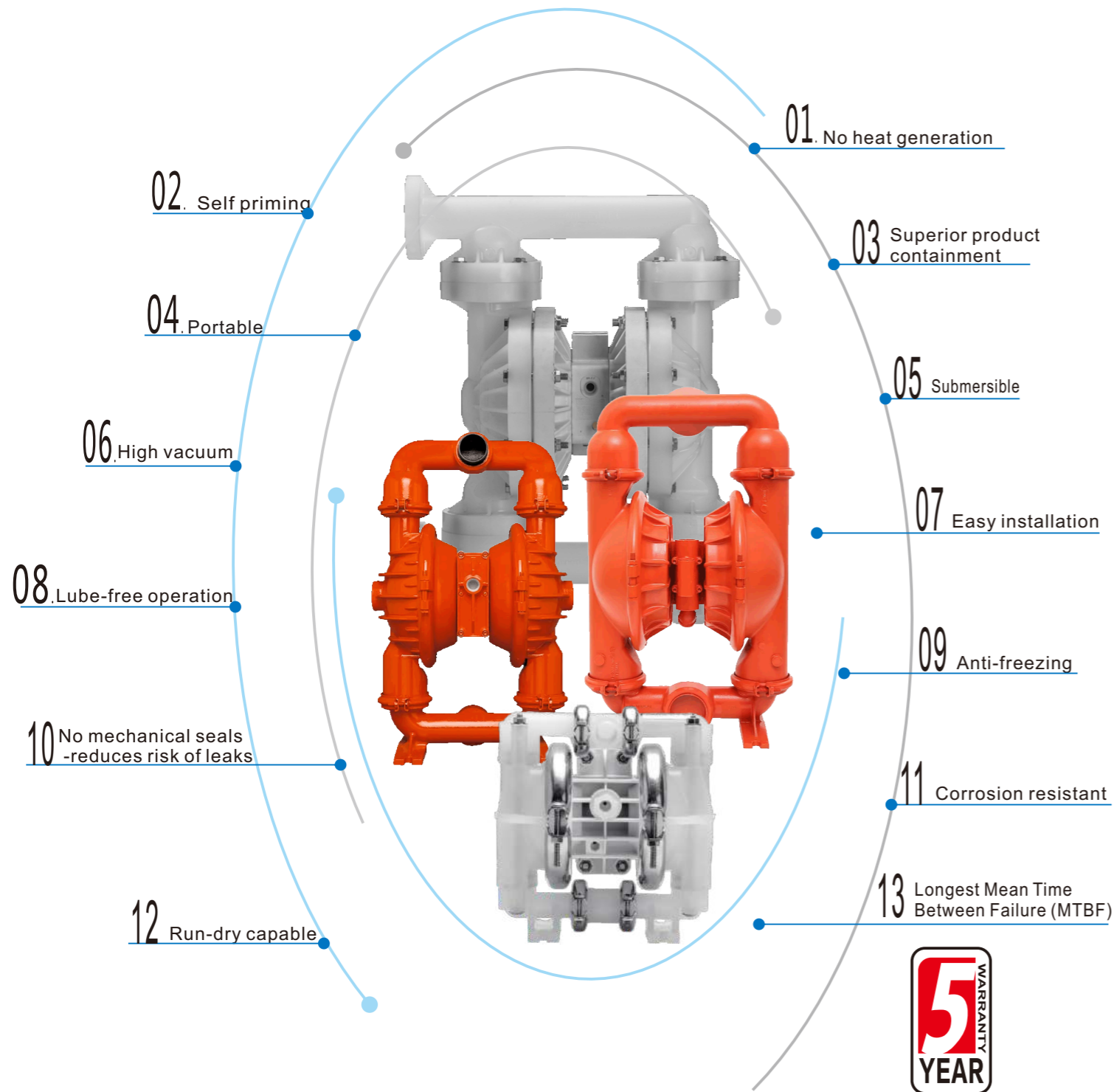
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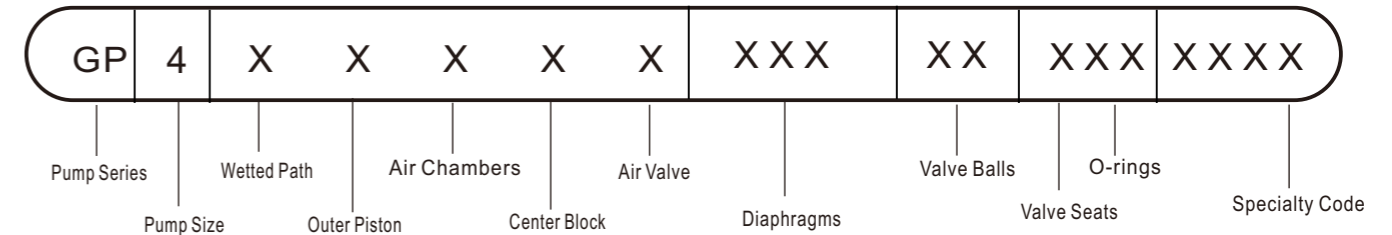


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Advantages of GT&GP Series Pump



Explanation of Pump Nomenclature



Pump Series

GT TM Series
GP Proflo Series
GPS Proflo Shif Series

Pump Size

025/25	1/4"
1/100	1/2"
2/200	1"
4/400	1 1/2"
8/800	2"
15/1500	3"

Wetted Path

A Aluminum
S Stainless Steel
W Ductile Iron
P Polypropylene
K PVDF

Outer Piston

A Aluminum
S Stainless Steel
M Mild Steel
W Ductile Iron
P Polypropylene
Z No Outer Piston

Air Chambers

A Aluminum
C PFA-Coated
L Acetal (P4 only)
N Nickel-Plated
S Stainless Steel
P Polypropylene

Air Valve

A Aluminum
B Brass
C PFA-Coated
L Acetal
N Nickel-Plated
S Stainless Steel
R Anodized Aluminum
P Polypropylene

Diaphragms

BNS Buna-N (Red Dot)
BNU Buna-N, Ultra-flex™
EPS EPDM (Blue Dot)
EPU EPDM, Ultra-flex™
FSS Saniflex™ [Hytrell® (Cream)]
NES Neoprene (Green Dot)
NEU Neoprene, Ultra-flex™ (Green Dot)
PUS Polyurethane (Clear)
TEU PTFE W/EPDM Backup (White)
TNL PTFE W/Neoprene Back-up O-ring, IPD (White))
TNU PTFE W/Neoprene Backup (White)
TSU PTFE W/Saniflex™ Back-up (White)
VTS Viton® (White Dot)
VTU Viton®, Ultra-flex™
WFS Wil-flex™ [Santoprene® (Orange Dot)]
ZWS Wil-flex™, Ez-install

Valve Balls

BN Buna-N (Red Dot)
EP EPDM (blue Dot)
FS Saniflex™ [Hytrell® (Cream)]1,3
NE Neoprene (Green Dot)
PU Polyurethane (Brown)
TF PTFE (White)
VT FKM (Silver Or White Dot)
WF Wil-flex™ [Santoprene® (Three Black Dots)]

Val Seats

A Aluminum
BN Buna-N (Red Dot)
EP EPDM (blue Dot)
FS Saniflex™ [Hytrell® (Cream)]1,3
K PVDF
M Mild Steel
NE Neoprene (Green Dot)
P Polypropylene
PU Polyurethane (Brown)
S Stainless Steel
TF PTFE (White)
VT FKM (Silver Or White Dot)
WF Wil-flex™ [Santoprene® (Three Black Dots)]

O-rings

BN Buna-N
TF PTFE
TV PTFE ENCAP, FKM
WF WIL-FLEX™ [SANTOPRENE®]

Specialty Code

0014 BSP
0504 DIN flange

Nameplate



AODD Pump Selection

Configuration Feature		Mettalic Pump	Non-Metallic Pump
Specifications	Suction/Discharge Port Size	1" through 3"	¼" through 2"
	Max Flow Rate Per Minute	245GPM(927LPM)	165GPM(624LPM)
	Max Discharge Head	275' (84m) of water@125 PSI	278' (85m) of water@125 PSI
	Max Displacement Per Stroke	1.4Gal (5.3L)	0.73Gal (2.75L)
	Max Dry Prime	18f(5.5m)	18.5f(6.23m)
	Max Solids Handling	0.375" (9.5mm)	0.25" (6.4mm)
Fluid Characteristics	Water	+	+
	Suspended Solids	+	✓
	Non-Suspended Solids	!	✗
	Line Size Solids	✗	✗
	Sludge /Slurry	✓	!
	High Viscosity (Flowable Fluids)	✓	✓
Erosion/Abrasive Fluids	High	✓	!
	Moderate	✓	!
	Low	+	✓
Installation	Corrosion	✓	+
	Permanent	✓	✓
	Portable	+	+
	Containment/Prevention	!	!
	Flooded Suction	✓	✓
Suction Lift	✓	✓	
Duty	Submerged	✓	!
	Intermittent/On-Demand	+	✓
	Continuous	✓	+

+ Best Type
 ✓ Suitable
 ! Limitations
 ✗ Not Recommended



Diaphragm Selection



Choose the most suitable diaphragm for your application and get the longest service life out of your pump.

Material	Material Profile	Operating Temp		Level 1~5 (Level 5 is the best)		
		Max	Min	Chemical Resistance	Wear Resistance	Flexibility
Nitrile	General purpose, oil-resistant. Shows good solvent, oil, water and hydraulic fluid resistance. Should not be used with highly polar solvents like acetone and MEK, ozone, chlorinated hydrocarbons and nitro hydrocarbons.	190° F 88° C	-10° F -23° C	1	2	3
EPDM	Shows very good water and chemical resistance. Has poor resistance to oils and solvents, but is fair in ketones and alcohols.	280° F 138° C	-40° F -40° C	4	4	4
FKM	(Fluorocarbon) Shows good resistance to a wide range of oils and solvents; especially all aliphatic, aromatic and halogenated hydrocarbons, acids, animal and vegetable oils. Hot water or hot aqueous solutions (over 70°F(21°C)) will attack FKM.	350° F 177° C	-40° F -40° C	4	2	1
Hytre	Good on acids, bases, amines and glycols at room temperatures only.	220° F 104° C	-20° F -29° C	4	5	3
Neoprene	All purpose. Resistance to vegetable oils. Generally not affected by moderate chemicals, fats, greases and many oils and solvents. Generally attacked by strong oxidizing acids, ketones, esters and nitro hydrocarbons and chlorinated aromatic hydrocarbons.	200° F 93° C	-10° F -23° C	1	3	3
Nylon	6/6 High strength and toughness over a wide temperature range. Moderate to good resistance to fuels, oils and chemicals.	180° F 82° C	32° F 0° C	5	2	--
Santoprene	Injection molded thermoplastic elastomer with no fabric layer. Long mechanical flex life. Excellent abrasion resistance.	275° F 135° C	-40° F -40° C	4	5	5
Polyurethane	Shows good resistance to abrasives. Has poor resistance to most solvents and oils.	150° F 66° C	32° F 0° C	1	3	4
PTFE	(PFA/TFE) Chemically inert, virtually impervious. Very few chemicals are known to chemically react with PTFE; molten alkali metals, turbulent liquid or gaseous fluorine and a few fluoro-chemicals such as chlorine trifluoride or oxygen difluoride which readily liberate free fluorine at (Polyvinylidene Fluoride) A durable fluoroplastic with excellent chemical resistance. Excellent for UV applications. High tensile strength and impact	220° F 104° C	-35° F -37° C	5	2	--
PVDF		250° F 121° C	0° F -18° C	5	2	--

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GT Metallic Pump Performance & Specification

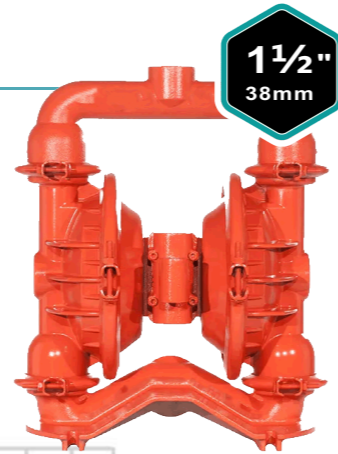
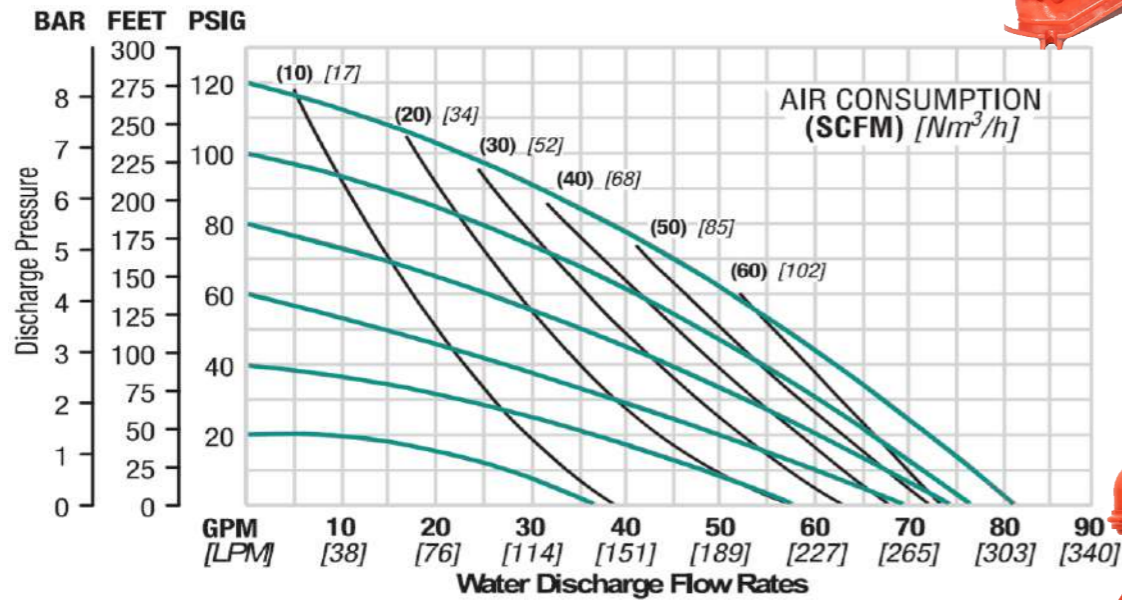
1½" 38mm GT4 PERFORMANCE

Max Flow
 Rubber 76GPM (288LPM)
 TPE 81GPM (307LPM)
 PTFE 62GPM (235LPM)

Porting
 NPT/BSP

Air End
 Brass

Wet End
 Aluminum



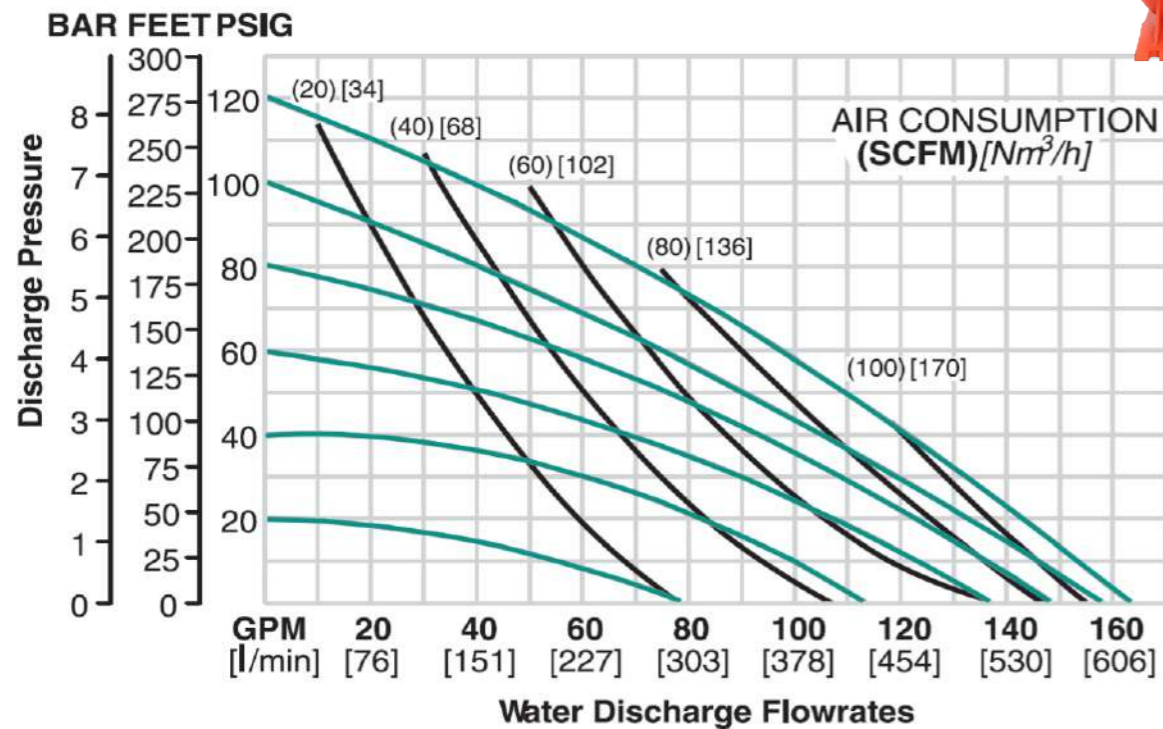
2" 50mm GT8 PERFORMANCE

Max Flow
 Rubber 163GPM (617LPM)
 TPE 162GPM (613LPM)
 PTFE 150GPM (568LPM)

Porting
 NPT/BSP

Air End
 Brass

Wet End
 Aluminum



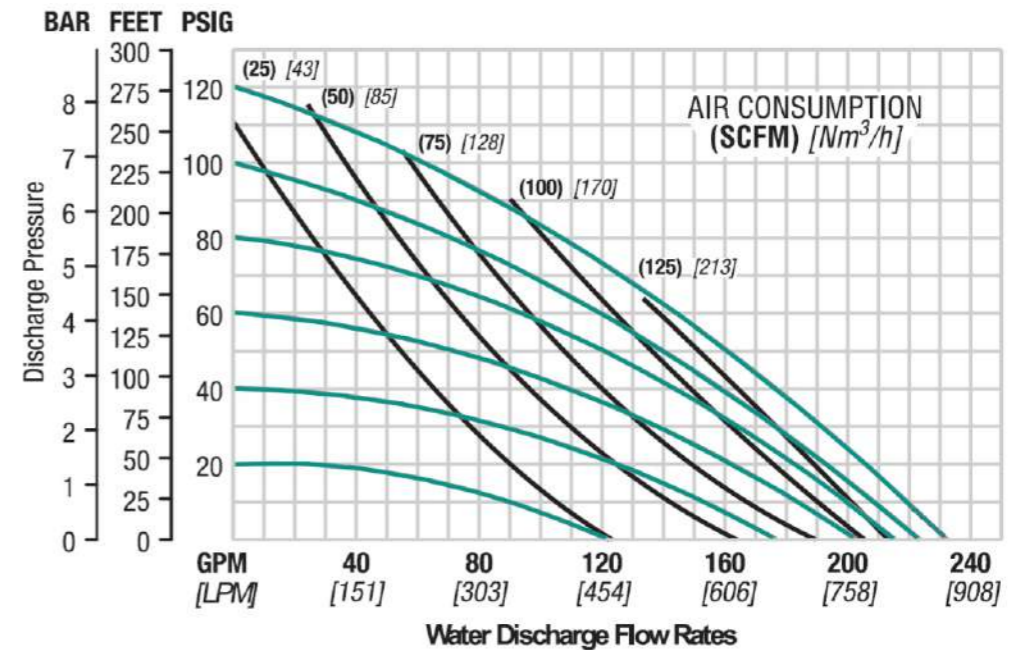
GT15 PERFORMANCE

Max Flow
 Rubber 232GPM (878LPM)
 TPE 223GPM (845LPM)
 PTFE 186GPM (704LPM)

Porting
 NPT/BSP

Air End
 Brass

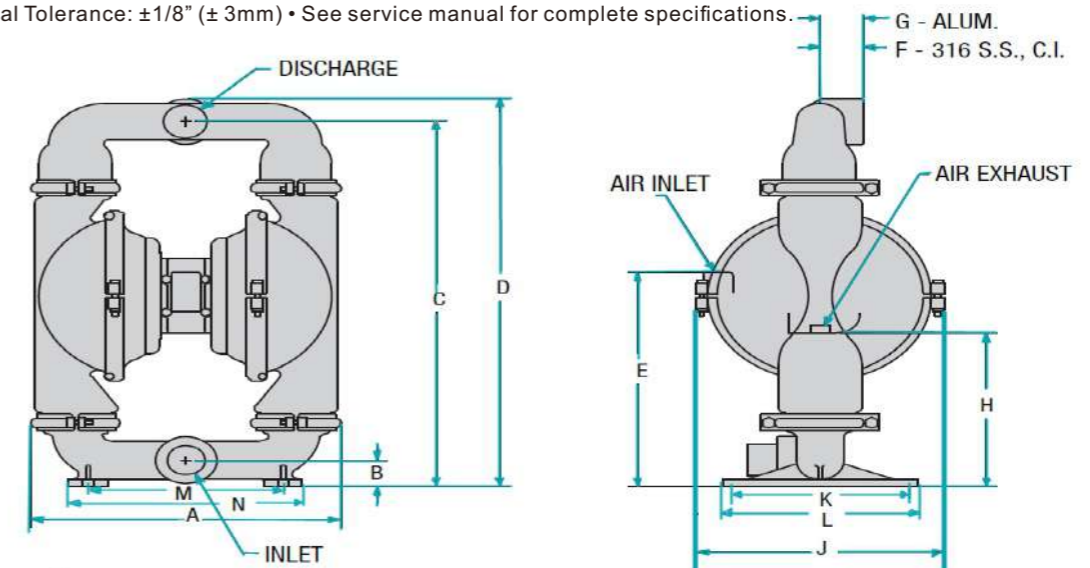
Wet End
 Aluminum



GT Metallic Specification

Pump Models	A	B	C	D	E	F	G	H	J	K	Connection Style	Pipe Size inch (mm)	Displacement Per Stroke gal (liter)	Max Flow Per Minute gal (liter)	Max Solids Handling inch (mm)	Max Discharge Pressure psi (bar)
	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)						
GT 4	15.4" (391)	2.5" (63)	8.6" (219)	17.4" (442)	11.2" (285)	10.3" (262)	8.8" (224)	6.0" (152)	7.0" (178)	2.6" (67)	1½" NPT/BSP	1.5 (38)	.27 (1.02)	81 (307)	3/16" (4.8)	125 (8.6)
GT 8	15.9" (404)	1.9" (48)	24.8" (630)	26.3" (668)	14.2" (361)	2.3" (58)	2.4" (61)	10.7" (272)	13.5" (343)	9.0" (229)	2" NPT/BSP	2 (50)	.71 (2.69)	163 (617)	1/4" (6.4)	125 (8.6)
GT 15	19.9" (505)	2.3" (58)	30" (762)	32.4" (823)	16.5" (419)	2.8" (71)	2.7" (69)	12.3" (312)	16.8" (427)	14.2" (361)	3" NPT/BSP	3 (75)	1.4 (5.3)	232 (878)	3/8" (10)	125 (8.6)

Dimensional Tolerance: ±1/8" (± 3mm) • See service manual for complete specifications.



GT Metallic Pump Performance & Specification

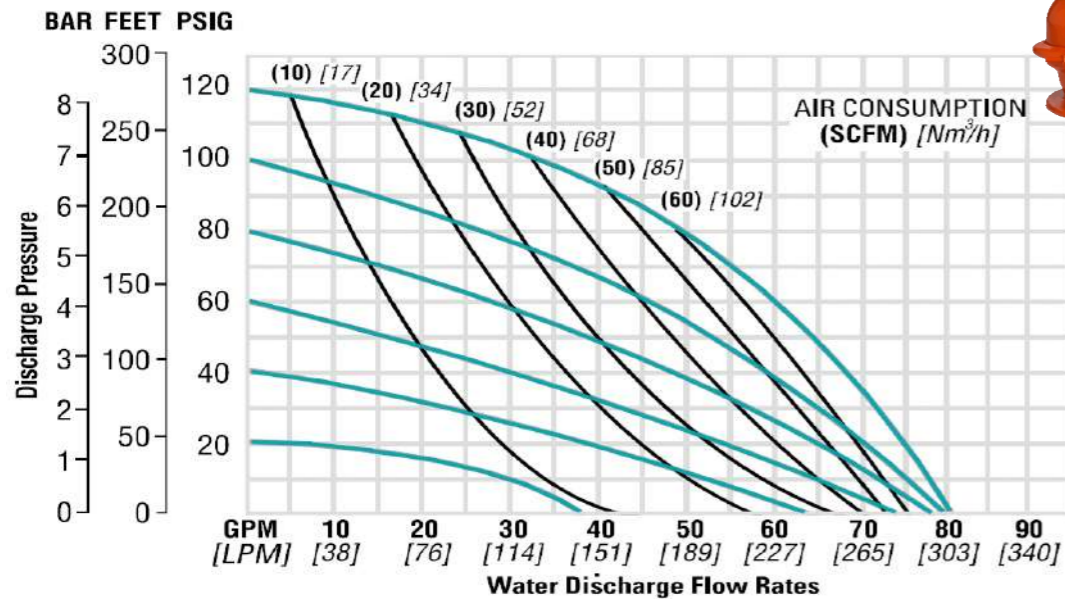
1½" 38mm GP4 PERFORMANCE

Max Flow
 Rubber 76GPM (288LPM)
 TPE 81GPM (307LPM)
 PTFE 87.2GPM (330LPM)

Porting
 NPT/BSP

Air End
 Brass

Wet End
 Aluminum



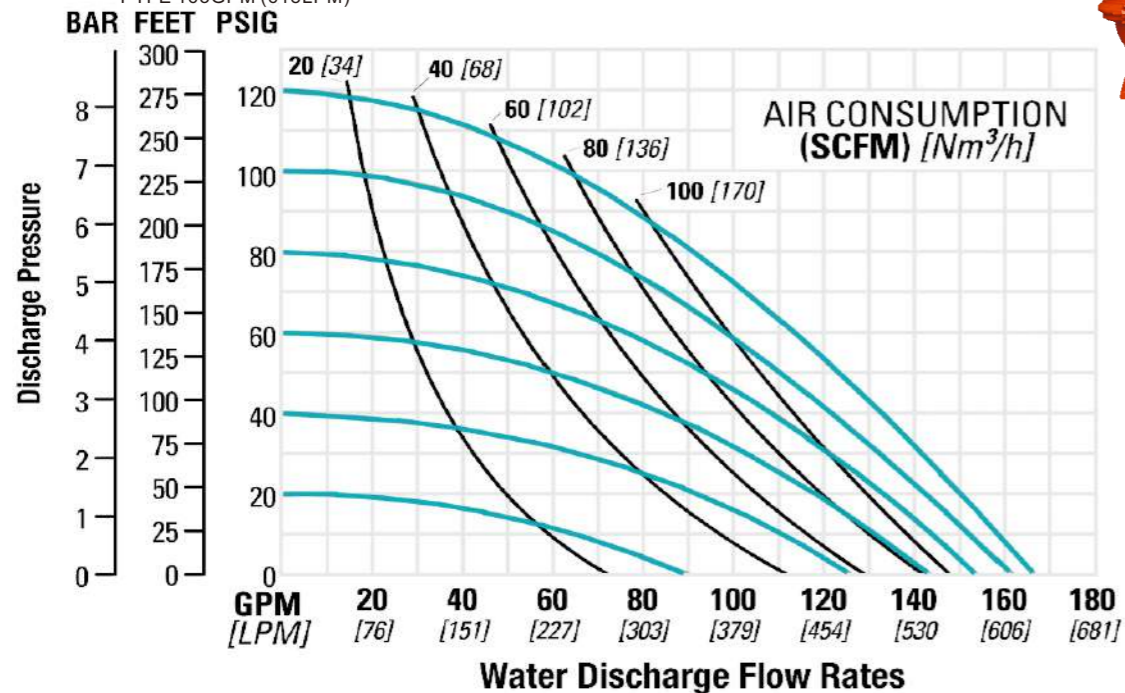
2" 50mm GP8 PERFORMANCE

Max Flow
 Rubber 165GPM (623LPM)
 TPE 166GPM (630LPM)
 PTFE 163GPM (618LPM)

Porting
 NPT/BSP

Air End
 Brass

Wet End
 Aluminum



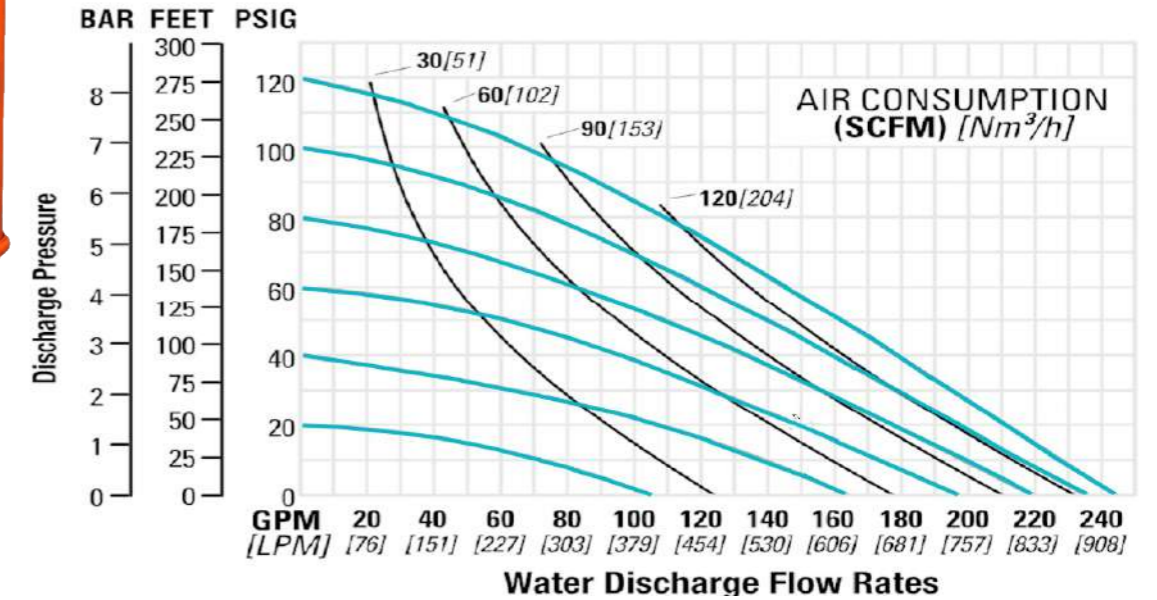
GPS15 PERFORMANCE

Max Flow
 Rubber 245GPM (927LPM)
 TPE 238GPM (901LPM)
 PTFE 242GPM (912LPM)

Porting
 NPT/BSP

Air End
 Brass

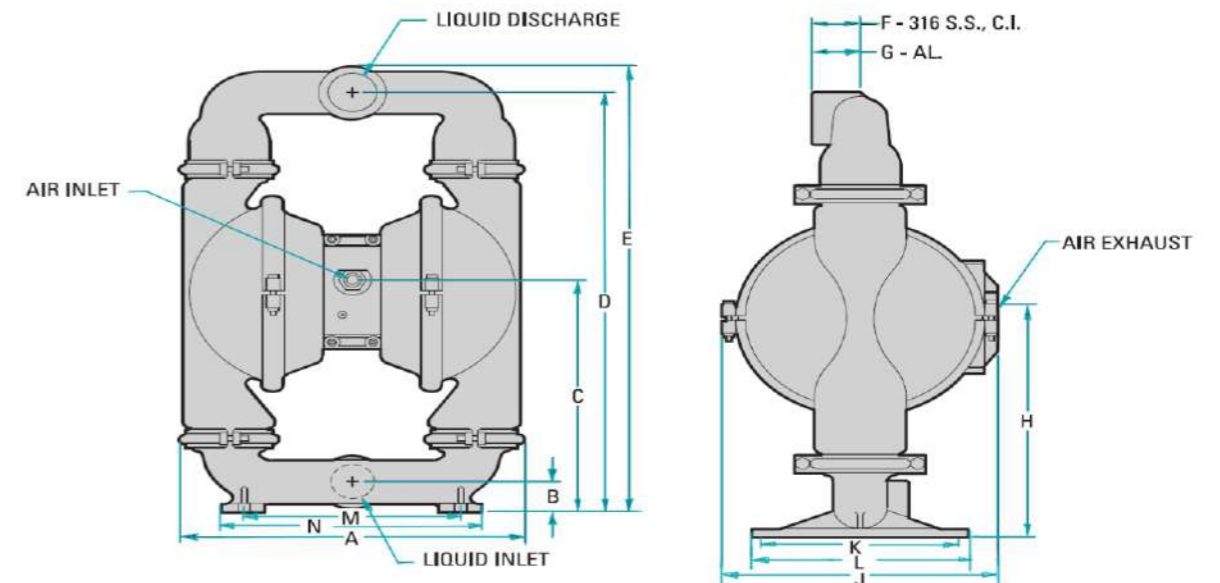
Wet End
 Aluminum



GP Metallic Specification

Pump Models	A	B	C	D	E	F	G	H	J	K	Conne- tion Style	Pipe Size	Displace- ment Per Stroke	Max Flow Per Minute	Max Solids Handling	Max Discharge Pressure
	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)		inch (mm)	gal(liter)	gal(liter)	inch (mm)	psi (bar)
GP 4	14.5" (368)	2.5" (64)	8.1" (209)	16.9" (429)	5.4" (138)	12.6" (320)	8.3" (211)	10.3" (262)	8.8" (224)	5.9" (150)	1½" NTP/BS	1.5(38)	.26 (.98)	87.2 (330)	3/16" (4.8)	125 (8.6)
GP 8	15.9" (404)	1.9" (48)	14" (356)	24.8" (630)	26.3" (668)	2.3" (58)	2.4" (61)	13.7" (348)	13.5" (343)	9.1" (231)	2" NTP/BS	2(50)	.7 (2.6)	166 (630)	1/4" (6.4)	125 (8.6)
GP 15	20.2" (514)	2.4" (61)	16.2" (411)	29.8" (758)	32.1" (816)	2.8" (70)	3.3" (83)	15.7" (399)	1.9" (49)	8.4" (213)	3" NPT/BS	3(75)	1.38(5.2)	245 (927)	3/8" (9.5)	125 (8.6)

Dimensional Tolerance: ±1/8" (± 3mm) • See service manual for complete specifications.



GP Non-Metallic Pump Performance & Specification

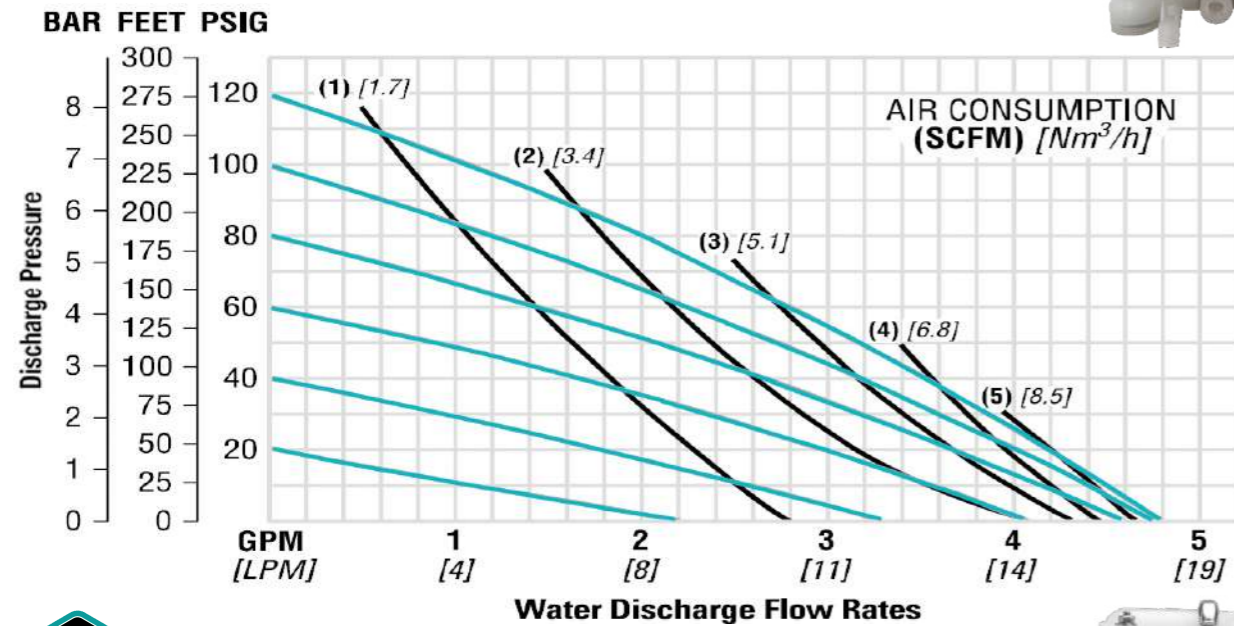
1/4" 6mm GP.025 PERFORMANCE

Max Flow
 Rubber 4.8GPM (18.1LPM)
 TPE 4.8GPM (18.1LPM)
 PTFE 4.8GPM (18.1LPM)

Porting
 NPT

Air End
 Polypropylene

Wet End
 Polypropylene



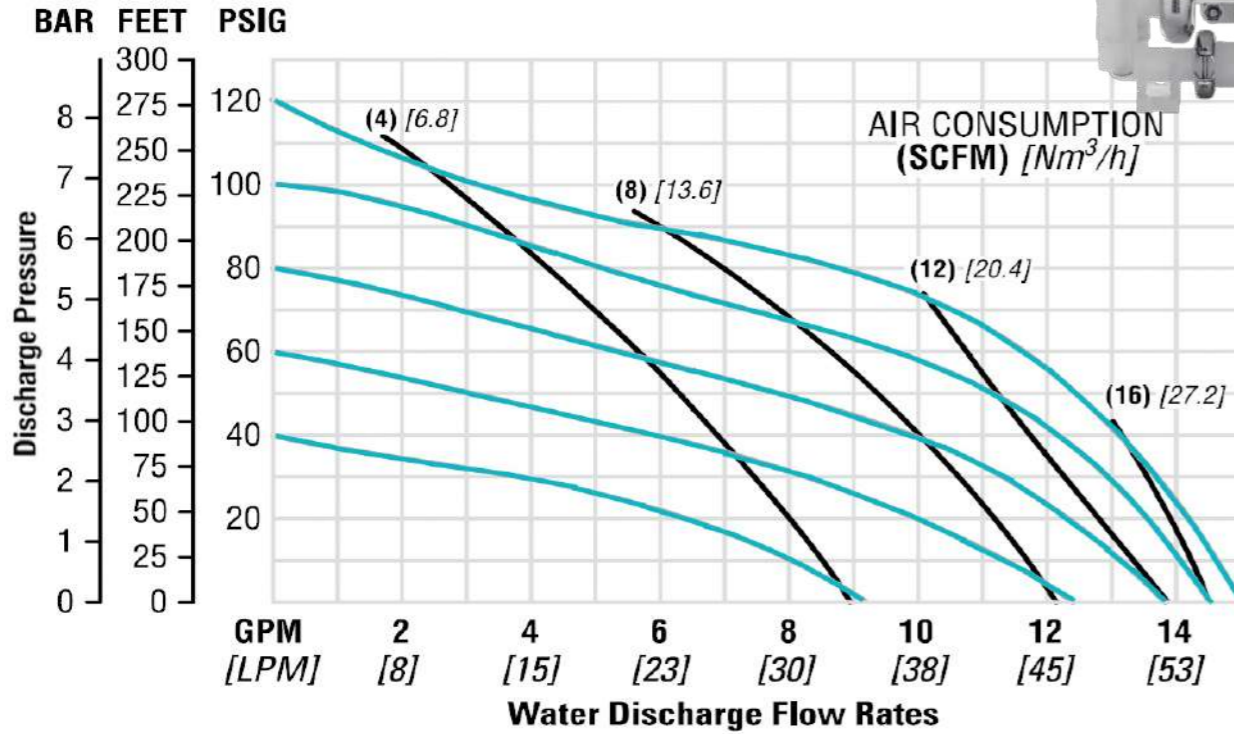
1/2" 13mm GP1 PERFORMANCE

Max Flow
 Rubber 14.8GPM (56LPM)
 TPE 15GPM (56.8LPM)
 PTFE 14.1GPM (53.4LPM)

Porting
 NPT

Air End
 Polypropylene

Wet End
 Polypropylene



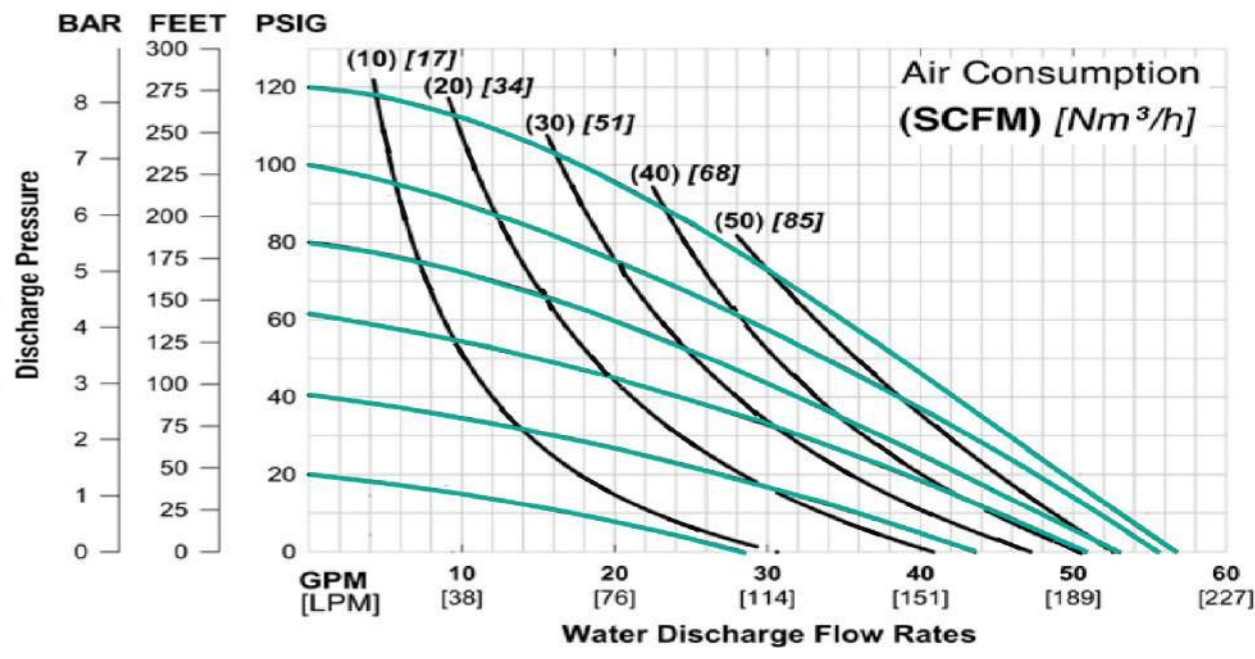
1" 25mm GP200 PERFORMANCE

Max Flow
 Rubber 58GPM (220LPM)
 TPE 57GPM (216LPM)
 PTFE 46GPM (174LPM)

Porting
 ANSI/DIN Flange

Air End
 Polypropylene

Wet End
 Polypropylene



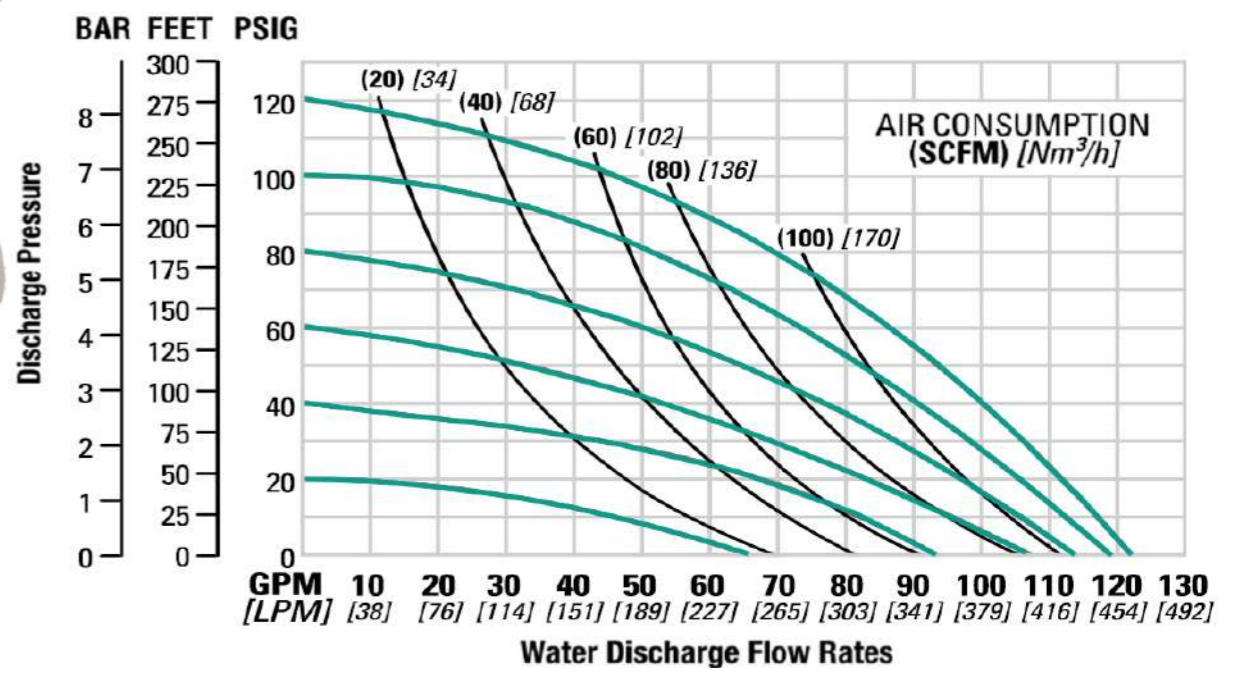
1 1/2" 38mm GP400 PERFORMANCE

Max Flow
 Rubber 120GPM (454LPM)
 TPE 120GPM (454LPM)
 PTFE 84GPM (318LPM)

Porting
 ANSI/DIN Flange

Air End
 Polypropylene

Wet End
 Polypropylene



2"
50mm

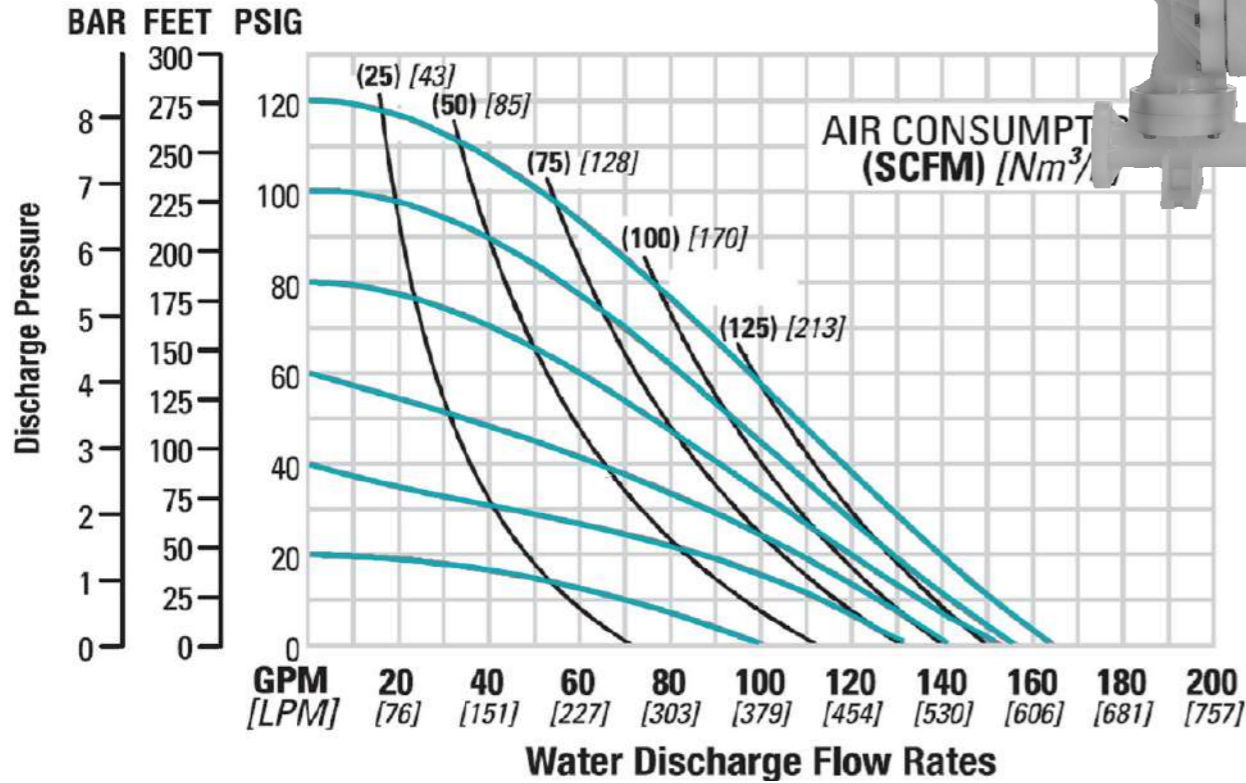
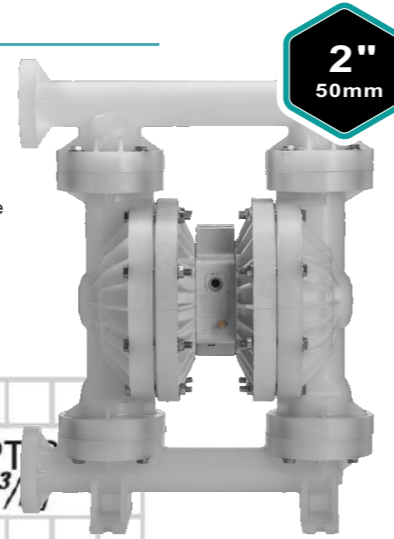
GP800 PERFORMANCE

Max Flow
Rubber 165GPM (624LPM)
TPE 162GPM (615LPM)
PTFE 162GPM (615LPM)

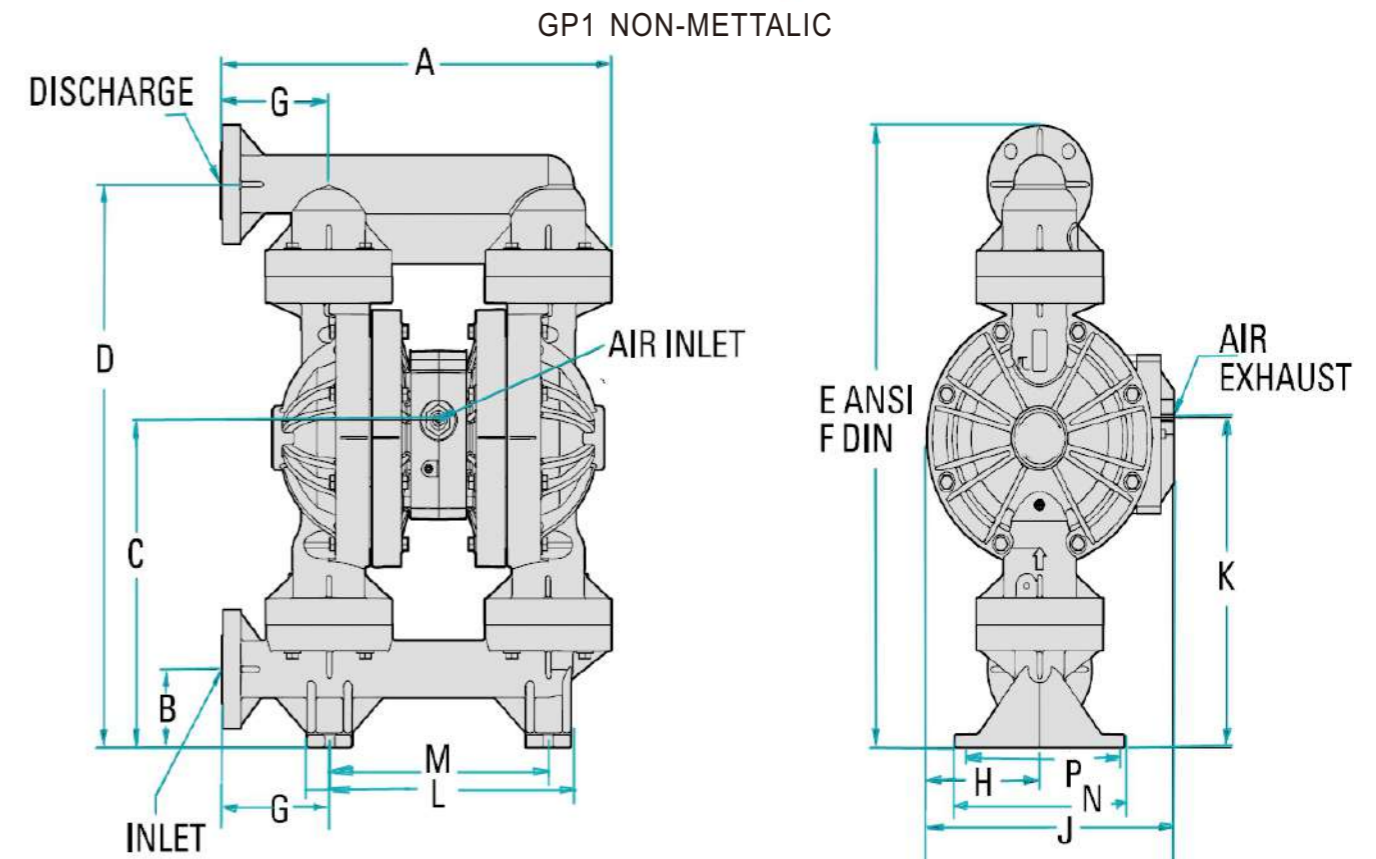
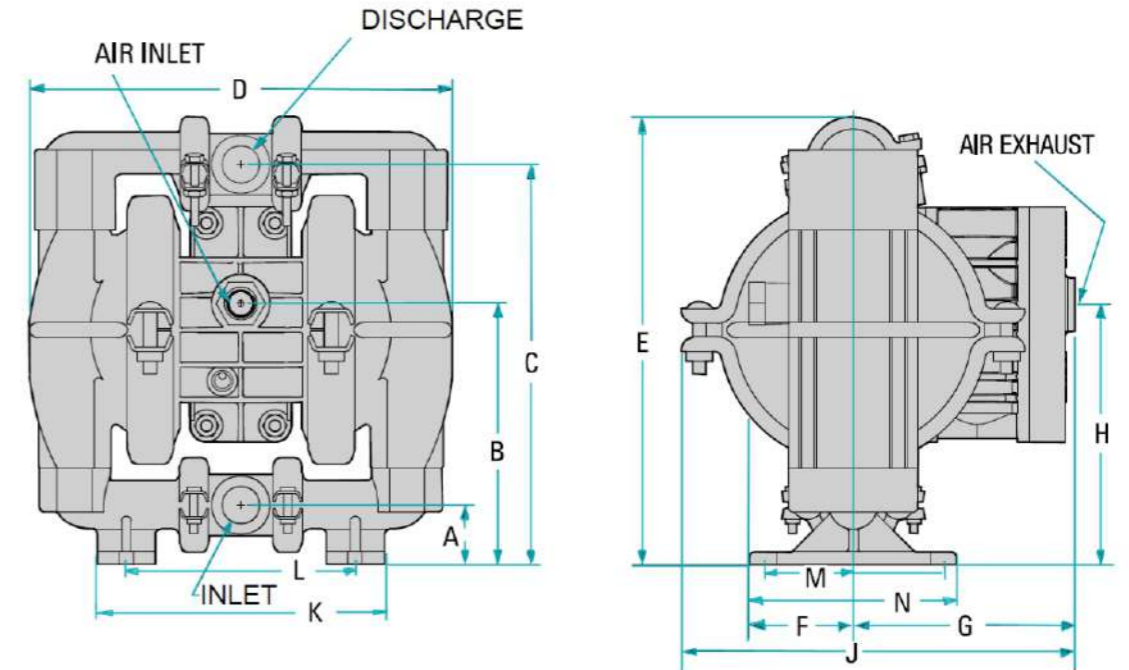
Porting
ANSI/DIN Flange

Air End
Polypropylene

Wet End
Polypropylene



GP Non-Metallic Pump Dimensional Drawing



GP Non-Metallic Specification

Pump Models	A	B	C	D	E	F	G	H	J	K	Connec- tion Style	Pipe Size	Displac- ement Per Stroke	Max Flow Per Minute	Max Solids Handling	Max Discharge Pressure
	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)		inch (mm)	gal(liter)	gal(liter)	inch (mm)	psi (bar)
GP.025	5.7" (144)	1" (25)	3.7" (93)	5.6" (141)	6.5" (164)	2.2" (55)	1.2" (30)	4.6" (116)	2.9" (73)	2.4" (60)	1/4" NPT	.25(6)	.004(.02)	4.8(18.1)	1/64" (0.4)	125(8.6)
GP 1	1.2" (31)	5.1" (130)	7.7" (196)	8.2" (208)	8.6" (218)	2.2" (56)	4.5" (114)	5.0" (127)	8.0" (203)	5.7" (145)	1/2" NPT	.5(13)	.03(.11)	15(56.8)	1/16" (1.6)	125(8.6)
GP 200	18" (457)	2.6" (66)	10.2" (259)	15" (381)	17.1" (434)	3.9" (99)	4.1" (104)	4.8" (122)	10.2" (259)	11.3" (288)	1" ANSI/DIN	1(25)	.086(.32)	58(220)	3/16" (4.76)	125(8.6)
GP400	18.8" (476)	3.2" (81)	13.7" (348)	23.7" (602)	26.2" (665)	26.6" (677)	5.2" (131)	5.4" (138)	11.8" (300)	13.8" (351)	1 1/2" ANSI/DIN	1.5(38)	.33(1.25)	120(454)	1/4" (6.4)	125(8.6)
GP800	23.8" (604)	5.9" (151)	3.6" (92)	28.7" (729)	16" (406)	31.5" (800)	31.8" (807)	13.9" (353)	20" (508)	16" (406)	2" ANSI/DIN	2(50)	.73(2.75)	165(624)	1/4" (6.4)	125(8.6)

Dimensional Tolerance: ±1/8" (±3mm) • See service manual for complete specifications.

GP200 GP400 GP800 NON-METTALIC